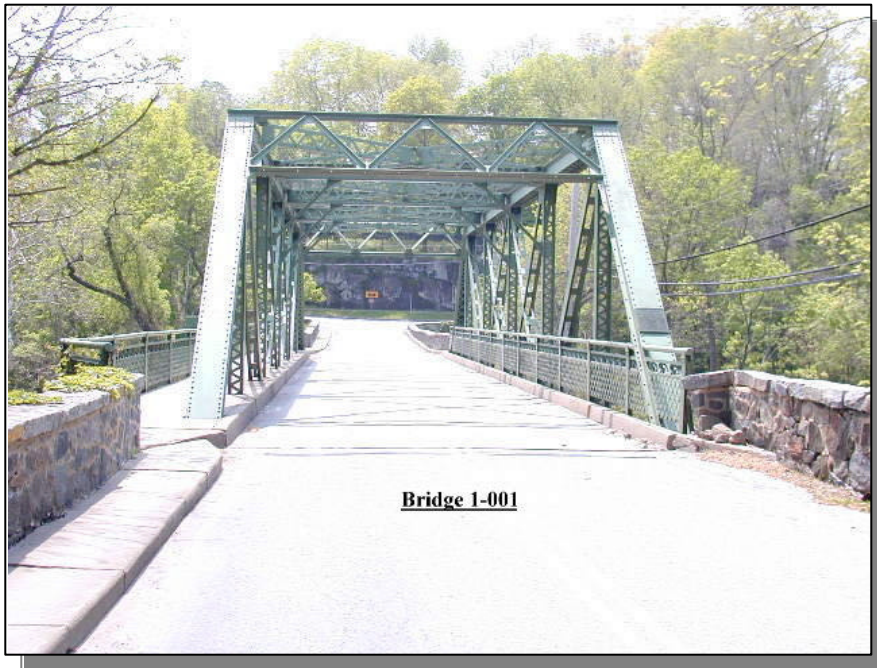
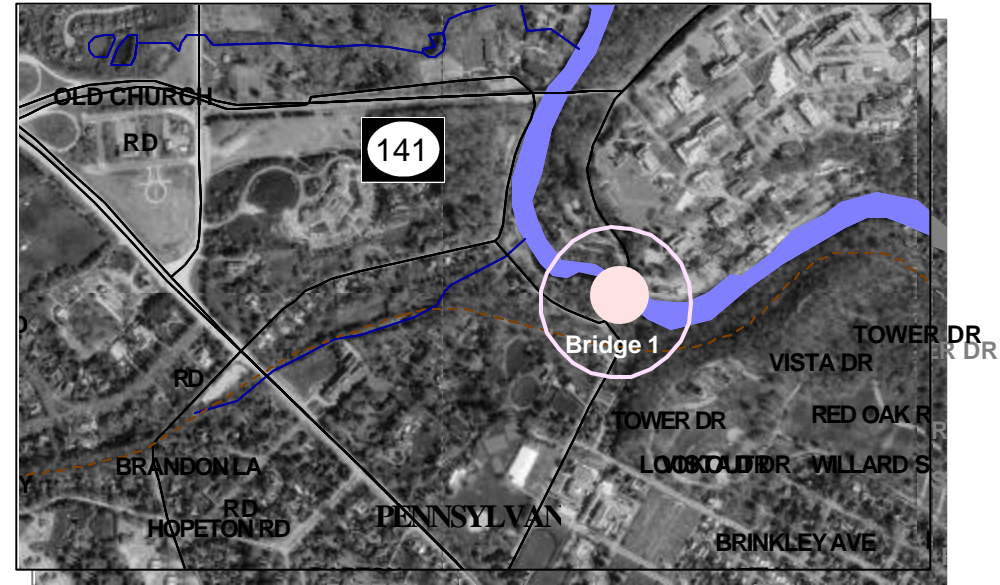


***NEW CASTLE  
COUNTY  
BRIDGE  
IMPROVEMENTS***

## ***BR 1 ON RISING SUN ROAD OVER BRANDYWINE CREEK***

**PROJECT SCOPE/DESCRIPTION:** Rehabilitate existing steel truss members and substructure. Place a high performance deck overlay; make safety improvements at approaches; and fill scour holes.

**PROJECT JUSTIFICATION:** The bridge is structurally deficient; and currently ranks 14<sup>th</sup> on the deficiency list.



**BR 1 ON RISING SUN ROAD OVER BRANDYWINE CREEK (CONTINUED)**

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 4  
**Senatorial District:** 6



***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			100	25	0	1,000	1,125

***All \$ X 1,000***

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01  TOTAL	FY 2002 7/01-6/02  TOTAL	FY 2003 7/02-6/03  TOTAL	FY 2004 7/03-6/04  TOTAL	FY 2005-2007 7/04-6/07  TOTAL
21-074-01	PE R/W C	100% ST 100% ST 80% F – Q10	100 25 <u>1,000</u>	100  _____	 25 _____	  <u>1,000</u>		
		TOTAL	1,125	100	25	1,000		

***All \$ X 1,000***

**BR 1B ON KENNETT PIKE (SR 52) OVER RAILROAD EAST OF SR141**

**PROJECT SCOPE/DESCRIPTION:** The proposed improvements will replace the existing superstructure with prestressed concrete beams and a concrete deck. Minor safety improvements to the approach roadway are also included in the plans.

**PROJECT JUSTIFICATION:** Superstructure is in poor condition and the encased concrete steel beams are exposed. It is currently ranked 63<sup>rd</sup> on the bridge deficiency list.



***BR 1B ON KENNETT PIKE (SR 52) OVER RAILROAD EAST OF SR141 (CONTINUED)***

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 4  
**Senatorial District:** 6

***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
13	17	4			790		824

***All \$ X 1,000***

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01  TOTAL	FY 2002 7/01-6/02  TOTAL	FY 2003 7/02-6/03  TOTAL	FY 2004 7/03-6/04  TOTAL	FY 2005-2007 7/04-6/07  TOTAL
99-071-08	C	80% F – Q23	790	790				

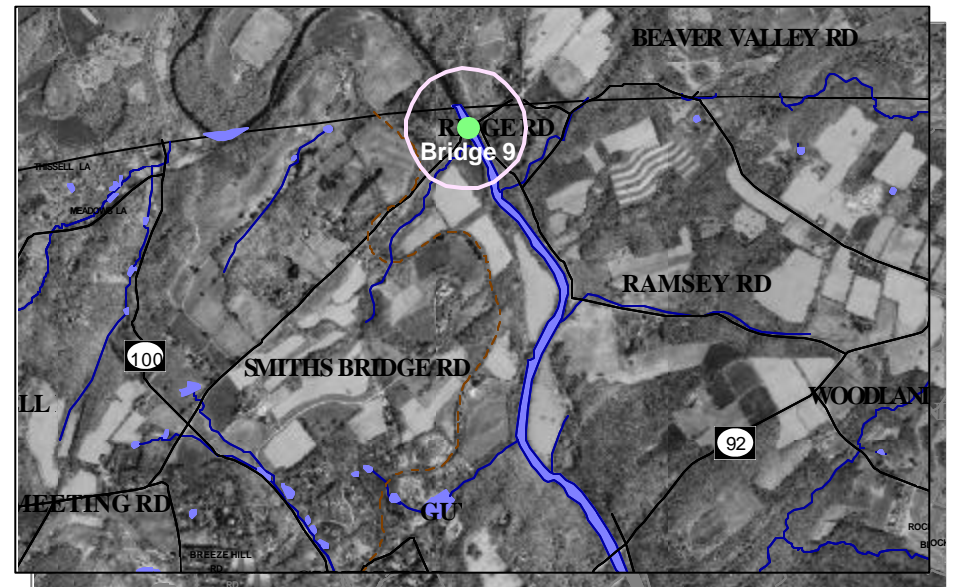
***All \$ X 1,000***



***BR 9 ON SMITH'S BRIDGE ROAD (N221) OVER BRANDYWINE CREEK***

**PROJECT SCOPE/DESCRIPTION:** Replace superstructure with a one-lane covered timber bridge.

**PROJECT JUSTIFICATION:** The bridge is structurally deficient with poor substructure. It currently ranks 122<sup>nd</sup> on the bridge deficiency list.



***Current***



***Proposed Improvements – using project visualization software***



***BR 9 ON SMITH'S BRIDGE ROAD (N221) OVER BRANDYWINE CREEK (CONTINUED)***

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 10, 12  
**Senatorial District:** 6

***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
				1,930			1,930

***All \$ X 1,000***

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
99-071-22	C	80% F – Q11	1,930	1,930				

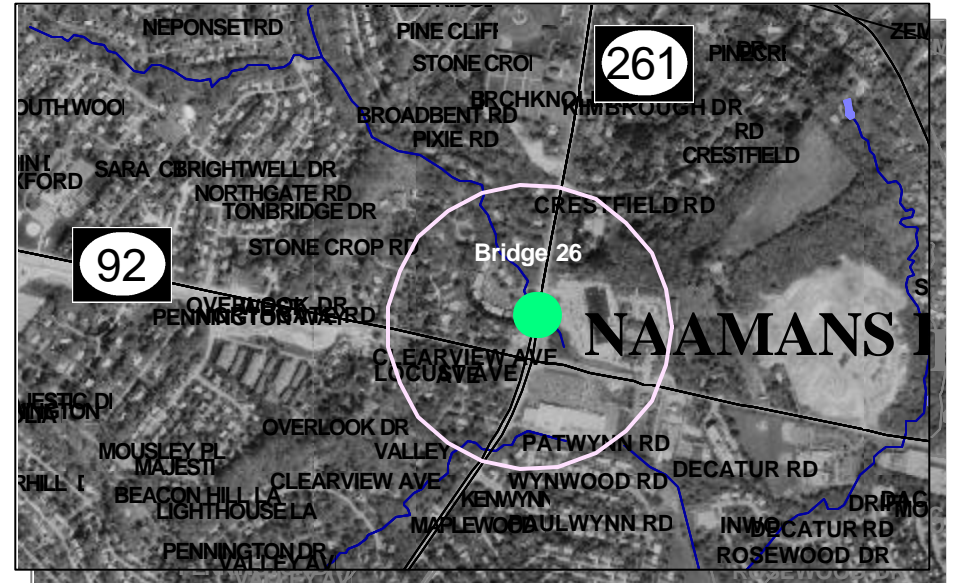
***All \$ X 1,000***



## BR 26 ON FOULK ROAD OVER NAAMAN'S CREEK

**PROJECT SCOPE/DESCRIPTION:** Improvements will include replacing the existing superstructure and rehabilitating the substructure; safety improvements at the approaches; and scour measures for the foundation.

**PROJECT JUSTIFICATION:** The bridge is structurally deficient and ranks 53<sup>rd</sup> on the bridge deficiency list.





**BR 26 ON FOULK ROAD OVER NAAMAN'S CREEK (CONTINUED)**

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 10  
**Senatorial District:** 5

***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
		2	17	367			386

***All \$ X 1,000***

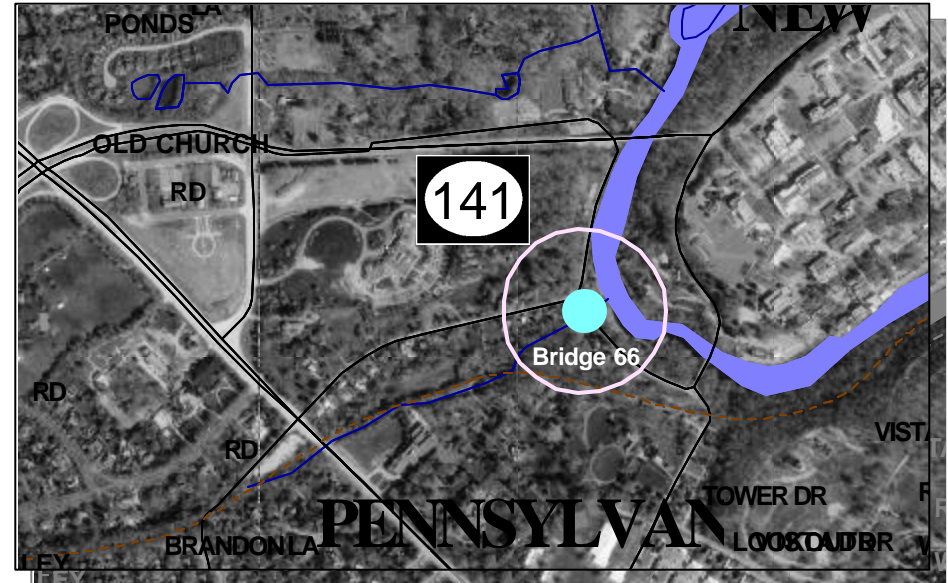
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01  TOTAL	FY 2002 7/01-6/02  TOTAL	FY 2003 7/02-6/03  TOTAL	FY 2004 7/03-6/04  TOTAL	FY 2005-2007 7/04-6/07  TOTAL
20-071-09	R/W C	100% ST 80% F – Q10	17 <u>367</u>	17 _____	<u>367</u>			
		TOTAL	384	17	367			

***All \$ X 1,000***

**BR 66 ON BRECK'S LANE, NORTH OF WILMINGTON**

**PROJECT SCOPE/DESCRIPTION:** The superstructure will be replaced with a concrete slab. The existing truss will be reconstructed and reinstalled as façade. Concrete curbing will be placed at approaches and along the length of the bridge.

**PROJECT JUSTIFICATION:** The bridge is structurally deficient and is ranked 28<sup>th</sup> on the bridge deficiency list.



***BR 66 ON BRECK'S LANE, NORTH OF WILMINGTON (CONTINUED)***

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 4  
**Senatorial District:** 6

***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
12	45	8	14	230			309

***All \$ X 1,000***

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01	FY 2002 7/01-6/02	FY 2003 7/02-6/03	FY 2004 7/03-6/04	FY 2005-2007 7/04-6/07
				TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
99-071-05	ENV LANSC C	100% ST	6	6				
		100% ST	8	8				
		80% F – Q76	<u>230</u>	<u>230</u>				
		TOTAL	244	244				

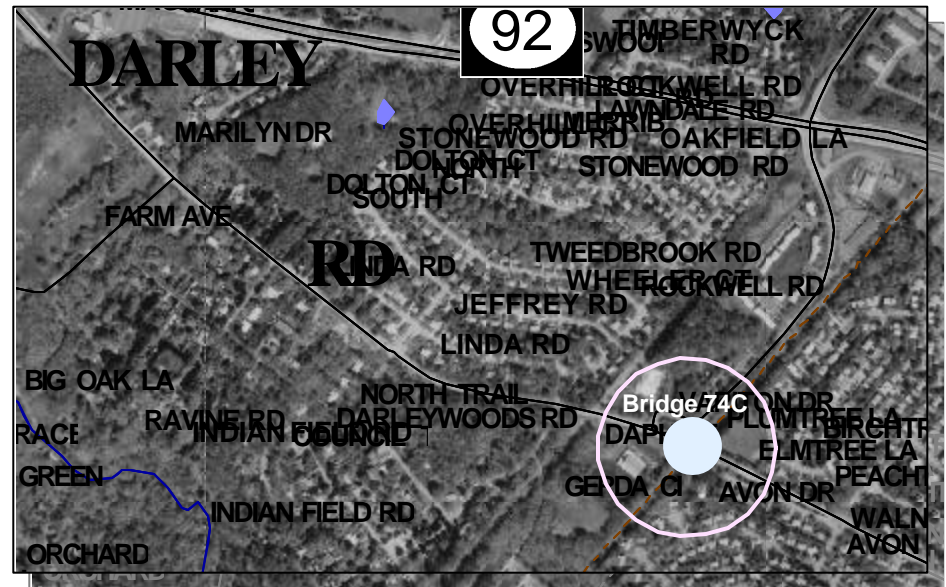
***All \$ X 1,000***



## BR 74C ON DARLEY ROAD OVER RAILROAD

**PROJECT SCOPE/DESCRIPTION:** Shear cracking detected in the concrete piers will be corrected by constructing an external support system the pier. Other work includes: replacing joint seals; patching spalls in the concrete deck; and repairing eroded embankments.

**PROJECT JUSTIFICATION:** The cracks in the piers affect the overall serviceability of the structure. It ranks 85<sup>th</sup> on the bridge deficiency list.





***BR 74C ON DARLEY ROAD OVER RAILROAD (CONTINUED)***

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 7, 8  
**Senatorial District:** 4, 5

***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
2	7	41	200				250

***All \$ X 1,000***

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01  TOTAL	FY 2003 7/02-6/03  TOTAL	FY 2004 7/03-6/04  TOTAL	FY 2005-2007 7/04-6/07  TOTAL
99-074-01	C	80% F – Q10	200	200			

***All \$ X 1,000***

**BR 88, BR 89, BR 90, BR 91 ON SNUFF MILL ROAD**

**Bridge 88**

**PROJECT SCOPE/DESCRIPTION:**

Improvements will include replacing the existing concrete deck; stabilizing existing substructure; repointing the stone masonry; repainting the steel beams; and installing scour countermeasures.



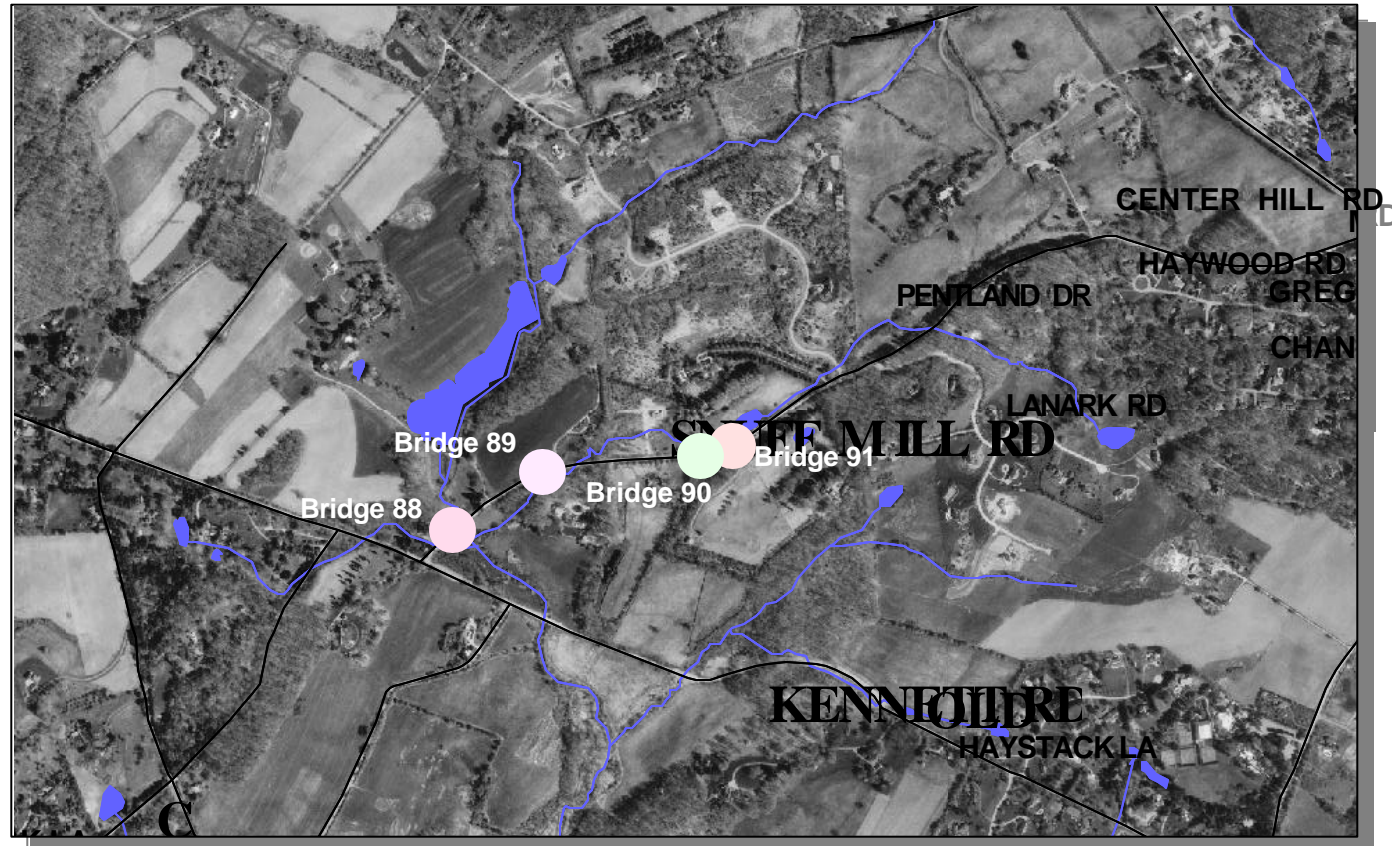
**PROJECT JUSTIFICATION:** The bridge is structurally deficient and ranks 171<sup>st</sup> on the bridge deficiency list.

**Bridge 89, 90, 91**

**PROJECT SCOPE/DESCRIPTION:**

The existing bridges will be replaced with a concrete box, concrete rigid frame and concrete arch with stone parapets and wing walls. Parapets will be tapered down outside of the clear zone to eliminate the need of a guardrail.

**PROJECT JUSTIFICATION:** The bridges are structurally deficient. Bridge 89 ranks 46<sup>th</sup>; Bridge 90 ranks 201<sup>st</sup>; and Bridge 91 ranks 97<sup>th</sup> on the bridge deficiency list.



**BR 88, BR 89, BR 90, BR 91 ON SNUFF MILL ROAD (CONTINUED)**

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Bridge Improvements  
**Functional Category:** Preservation  
**Representative District:** 12  
**Senatorial District:** 6

***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
	11	39	89	1,355			1,494

***All \$ X 1,000***

FMB ID OR PROJ #	INDIVIDUAL PROJECTS	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01  TOTAL	FY 2002 7/01-6/02  TOTAL	FY 2003 7/02-6/03  TOTAL	FY 2004 7/03-6/04  TOTAL	FY 2005-2007 7/04-6/07  TOTAL
20-074-03	Bridge 88	R/W C	100% ST 80% F – Q11	9 300	9	300			
99-071-07	Bridge 89	LANSC C	100% ST 80% F – Q20	20 300	20	300			
21-071-03	Bridge 90	C	80% F – Q24	255		255			
21-071-03	Bridge 91	PE R/W C	100% ST 100% ST 80% F – Q24 TOTAL	60 10 490 1,444	60   89	 10 490 1,355			

***All \$ X 1,000***



***BR 88, BR 89, BR 90, BR 91 ON SNUFF MILL ROAD (CONTINUED)***

***Bridge 88***



***Bridge 89***



***BR 88, BR 89, BR 90, BR 91 ON SNUFF MILL ROAD (CONTINUED)***



*Bridge 90*



*Bridge 91*

